

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/JP2004/010454

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B62D15/02 G08G1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60R B60T B62D G05D G08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 297 999 A (AISIN SEIKI) 2 April 2003 (2003-04-02)	1,5,6,8
A	paragraphs '0006! - '0008! paragraphs '0010! - '0018! paragraphs '0027! - '0029! figures 1-8	2-4,7
X	EP 0 872 402 A (HONDA MOTOR CO LTD) 21 October 1998 (1998-10-21)	1,8
A	column 3, line 5 - column 4, line 3 column 5, line 15 - column 5, line 41 figures 2A-5B	2-7
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

03/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Massalski, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/010454

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 40 007 A (BOSCH GMBH ROBERT) 8 March 2001 (2001-03-08)	1,8
A	page 1, line 26 – page 2, line 15 figures 5,6 -----	2-7
X	US 5 742 141 A (CZEKAJ JAMES L) 21 April 1998 (1998-04-21)	1,8
A	column 3, line 39 – column 3, line 46 -----	2-7
A	EP 1 249 379 A (DAIMLER CHRYSLER AG) 16 October 2002 (2002-10-16) abstract; figure 1 -----	1,8
P,X	EP 1 361 458 A (VALEO SCHALTER & SENSOREN GMBH) 12 November 2003 (2003-11-12) -----	1,8
P,A	paragraphs '0004! – '0009! -----	2-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

 International Application No
PCT/JP2004/010454

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 1297999	A 02-04-2003	JP 2003104220 A		09-04-2003
		EP 1297999 A2		02-04-2003
		US 2003078713 A1		24-04-2003
EP 0872402	A 21-10-1998	JP 3223244 B2		29-10-2001
		JP 10287260 A		27-10-1998
		DE 69819060 D1		27-11-2003
		DE 69819060 T2		13-05-2004
		EP 0872402 A2		21-10-1998
		US 6102147 A		15-08-2000
DE 19940007	A 08-03-2001	DE 19940007 A1		08-03-2001
		WO 0114941 A1		01-03-2001
		EP 1218808 A1		03-07-2002
		JP 2003507263 T		25-02-2003
US 5742141	A 21-04-1998	NONE		
EP 1249379	A 16-10-2002	DE 10117650 A1		10-10-2002
		EP 1249379 A2		16-10-2002
		US 2003004613 A1		02-01-2003
EP 1361458	A 12-11-2003	DE 10220426 A1		20-11-2003
		EP 1361458 A1		12-11-2003
		US 2003210157 A1		13-11-2003